Security Continuum

Solutions for Every Opening
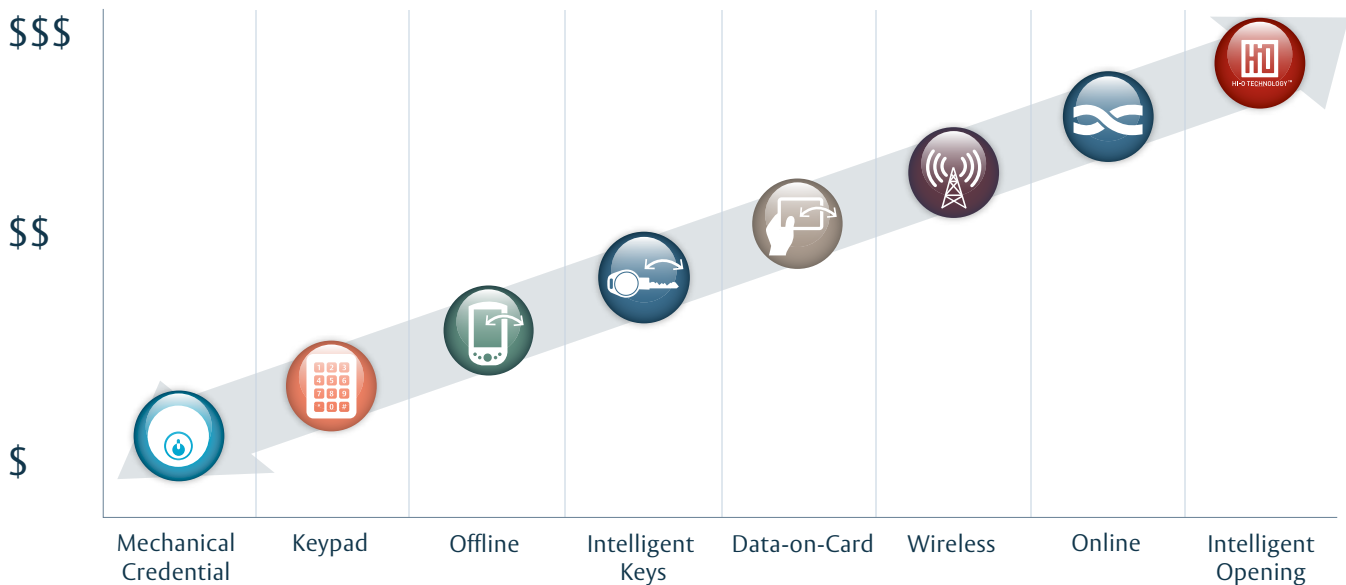
The global leader in
door opening solutions

ASSA ABLOY
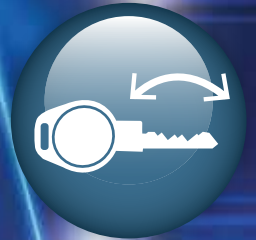
Hi-O TECHNOLOGY™

The Security Continuum

ASSA ABLOY offers a complete range of technologies with increasing capabilities designed to address today's security requirements.

Mechanical Credential	Keypad	Offline	Intelligent Keys	Data-on-Card	Wireless	Online	Intelligent Opening

Properly Secure Every Opening

Optimize Your Security Investment

ASSA ABLOY, the global leader in door opening solutions, continues to break new ground by offering the broadest range of security technologies in the industry. From mechanical keys to intelligent openings, this array of technologies – known as the Security Continuum – pairs the appropriate locking technology to the specific requirements and risks of each opening.

Because every opening is different based on its usage, employing a single technology throughout a facility doesn't make sense. Careful consideration of each opening based on its specific requirements allows proper selection of access control, enhancing the security of a facility and keeping costs in line.

This is the core principal of the Security Continuum.

Mechanical Credentials

The key system is often one of the greatest sources of vulnerability in a facility's security. Key control and choice of key technology are essential considerations.

ASSA ABLOY Group brands were early innovators in the field of key systems. Though much has changed in cylinder mechanics and how facilities secure their doors, key systems are still the backbone of facility security, and ASSA ABLOY remains the leader in key system technology. Our brands are continuously upgrading their key systems to meet new challenges that confront the market.

The most basic level of protection is a typical mechanical cylinder with a legacy key system. This key can easily be duplicated and thus offers very low level security. ASSA ABLOY Group brands offer varying levels of protection to enhance legacy key systems, including:

- Patented key systems that protect against unauthorized key duplication
- Geographic exclusivity that further restricts how a key can be duplicated
- Cylinders listed to UL 437 offer protection against picking, drilling and physical attack

PRODUCTS AVAILABLE

- CORBIN RUSSWIN Access 3™
- CORBIN RUSSWIN Pyramid
- MEDECO X4
- MEDECO BiLevel
- SARGENT Degree™
- SARGENT Signature®
- SARGENT Keso
- SARGENT XC5

APPLICATIONS

- General facility security
- Record/file storage rooms
- Pharmaceutical storage rooms
- Cabinets
- Offices

Keypad
Access Control

Keypad access control introduces the convenience and flexibility of pin code credentials.

PRODUCTS AVAILABLE

- ADAMS RITE eForce®-150
- ADAMS RITE RITE Touch
- SARGENT KP Series
- SECURITRON DK-12
- SECURITRON DK-16
- SECURITRON DK-26
- SECURITRON DK-37
- SECURITRON DK-38
- YALE nexTouch™

APPLICATIONS

- Professional offices within a building
- Side entrances in commercial, retail or office buildings
- Utility areas or supply closets
- Server rooms
- Glass doors

Keypad locks offer basic access control capabilities. Typically programmed by visiting the door, these locks provide security using keypad only.

Keypad locks come in a variety of forms including the Yale nexTouch™, the next generation of keypad access control. A truly scalable solution, nexTouch can be used as a stand-alone keypad lock, or easily upgraded or expanded to use Data-on-Card or ZigBee/Z-Wave wireless technology. Available with a capacitive touchscreen or pushbutton keypad, nexTouch features voice-guided programming and a variety of other features to make setup and daily access easy and convenient.

The Adams Rite RITE Touch digital door lock for glass applications brings new refinement and grace to keyless access solutions for glass openings. The RITE Touch offers sophisticated styling, convenience, flexible access control, and safety and security for single or double glass doors.

Securitron also offers digital keypads to work with any electronic lock. Offering easy installation in a wide range of indoor and outdoor environments, Securitron digital keypads are weather resistant and tamper proof. This provides a scalable, flexible solution that allows users to manage locks locally, and add and remove users without issuing keys.

Features

- Easy, affordable upgrade from mechanical locks
- Allows users to manage locks locally
- Fast, simple installation
- Flexibility to add and remove users without issuing keys

Offline
Access Control

Offline locks and cylinders provide an affordable option for customized access control.

Offline locksets are battery-operated, stand-alone units, requiring no wiring from locks to CPU. Offline locks offer an economical solution for customized access control without the cost and complexity of a networked system.

Lock Features

- ANSI/BHMA Grade 1 hardware, offering the highest degree of physical security available in access control locks
- Programming is accomplished through the use of a PDA or data transfer device and PC-based software
- Locks support up to 1,200 users per door and a 700 event transaction history - all maintained in lock memory
- Locks support HID® 125 kHz proximity credentials; also available with keypad and/or magnetic stripe
- Use standard batteries for easy deployment and maintenance
- Can be used with RF Fob for localized lockdown capabilities

Intelligent Keys

Overview

Intelligent Key Systems incorporate sophisticated features into retrofit cylinders to upgrade the security of existing hardware. This enables powerful scheduling and accountability and eliminates the expense and inconvenience of rekeying due to lost keys or personnel changes. Battery-powered intelligent keys and cylinders that install easily into existing hardware eliminate the need for wiring or door/frame prep. The keys can be programmed to expire based on security needs, and access can be updated through remote or mobile programmers, or directly through the key using a BLE-enabled mobile device. They can be used in nearly any application and provide an extremely cost-effective solution to enhance security and accountability.

eCylinder Features

- Eliminates liability from lost keys – simply turn the key off!
- No wiring, door or frame modifications. Power and programming occurs via the key
- Can be incorporated into a mechanical masterkey system for flexibility
- Replaceable or rechargeable battery in the key eliminates risk from power outage
- Keys can be programmed anywhere, anytime, via mobile phone (BLE keys)
- Powerful software with robust analytics features available
- Cylinder formats available to fit most commercial hardware

Data
on Card

Comprehensive access control without the cost and complexity of wiring every door.

Featured in the Yale Multi-Family Solution, data-on-card technology enables comprehensive access control without the cost and complexity of wiring every door or the need for IT support/equipment. Online openings are limited to just a few central locations, and every credential presented receives updated access rights.

- The credential carries system data (user access rights, lock audit trails)
- Credential holders become the network that manages your access control simply by going about their daily routine
- Access rights are updated when a credential holder presents their credential when entering the building
- At the same time, the audit trail for the locks that person has used is uploaded to Yale Accentra™
- Eliminates the need to visit locks to make access updates and reduces wired infrastructure

PRODUCTS AVAILABLE

- YALE nexTouch ™
- YALE Real Living™ Digital Deadbolt
- YALE Real Living™ Interconnected Lock
- YALE Credential Updater
- YALE Accentra™ Cloud-Based Software

APPLICATIONS

- Multi-family housing (apartments and condominiums)
- Assisted living
- Mixed-use facilities

Wireless Access Control Solutions

Extend the reach of your access control system using IEEE 802.11b/g/n WiFi infrastructure.

APPLICATIONS

- Classrooms
- Record rooms
- Offices
- Residence halls

Intelligent WiFi Access Control Solutions

ASSA ABLOY WiFi locks and exit devices provide complete access control in locations where it would be difficult or cost-prohibitive to install a wired lock. With no wires to run, installation time is significantly reduced – simply install the device on the door and configure it to communicate with the wireless network.

Features

- Utilizes IEEE 802.11b/g/n wireless communication
- Scheduled and user-initiated updates eliminate manual programming
- Reduces the need for panels
- Real-time door status monitoring and real-time, configurable alarm notification
- Local decision making: 2,400/10,000* users supported; 10,000 event transaction history
- Advanced data security with standard encryption techniques
- AES 128-bit encryption and support for most current WiFi network standards
- ANSI/BHMA Grade 1 hardware, offering the highest degree of physical security available in access control locks
- Supports a variety of 125 kHz and 13.56 MHz credentials, keypad and magnetic stripe options. See product catalogs for specific details.

Leverage your IT infrastructure

Easily expand your access control system without any additional equipment

Electronic Access Control System

Internal Building Network

Wireless Network Device
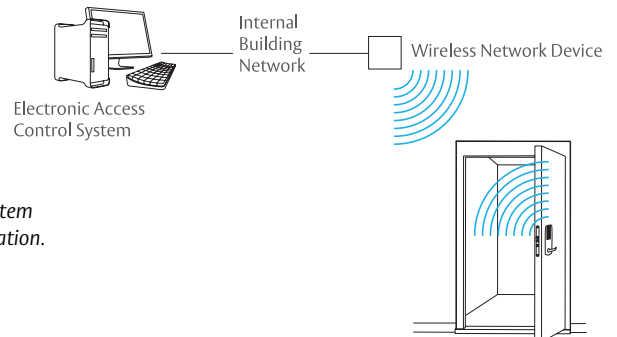
* Contact your access control system manufacturer for more information.

A100 *K100 and KS100* *M100*

*IN100 and PR100 Locks* *AS100 and R100*

Aperio® Wireless Technology

Aperio is a global wireless platform that allows you to expand your access control footprint—quickly, easily, and affordably—using existing platforms you trust. Available across a broad range of locking hardware from ASSA ABLOY Group brands, Aperio provides the flexibility to address many applications throughout any facility.

Features

- Utilizes IEEE 802.15.4 wireless communication between the lock and an Aperio hub that is connected to the electronic access control system
- Real-time communication to the access control system for greater security and control
- Real-time door status monitoring
- Advanced data security with standard encryption techniques
- AES 128-bit encryption
- ANSI/BHMA Grade 1 hardware, offering the highest degree of physical security available in access control locks
- Supports a variety of 125 kHz and 13.56 MHz credentials and keypad options. See product catalogs for specific details.

PRODUCTS AVAILABLE

- ADAMS RITE A100 Keyless Entry Control for Aluminum and Glass Doors
- CORBIN RUSSWIN and SARGENT IN100 Lock
- HES K100 Cabinet Lock
- HES KS100 Server Cabinet Lock
- MEDECO M100 Mortise Cylinder
- SARGENT PR100 Lock
- SECURITRON AS100 Sensor
- SECURITRON R100 Reader

APPLICATIONS

- Common areas
- Tenant spaces
- File storage areas
- Retail space
- Healthcare
- Data centers

Redefining wireless access control

Local wireless communication eliminates the cost and inconvenience of wiring in and around the door, without the hassle of complex site surveys.

Electronic Access Control System

Access Control Panel

RS-485/Wiegand

Aperio Hub
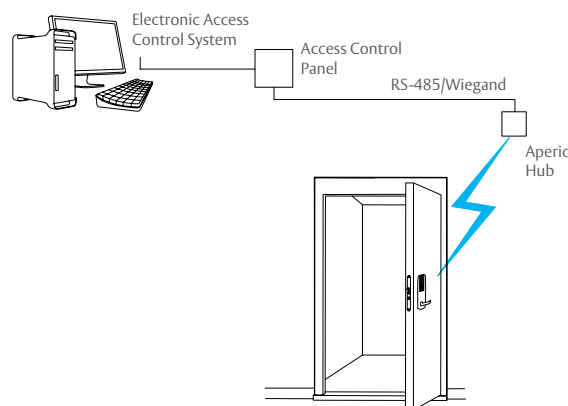
Online
Access Control

*Integrated Wiegand solutions offer the
perfect balance of style and security.*
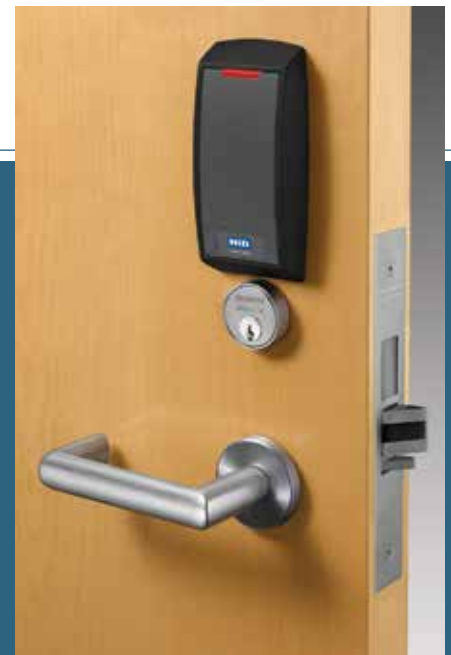
PRODUCTS AVAILABLE

- Integrated Electric Strikes
  - Available with any HES electric strike
- Access Control Locks
  - ADAMS RITE eForce® 3090P/C
  - CORBIN RUSSWIN Access 600® RNE1
  - CORBIN RUSSWIN SE LP10
  - SARGENT Harmony® Series
  - SARGENT SE LP10
  - YALE Symphony®

APPLICATIONS

- Exterior doors
- Main entrances
- High security openings

*The SE LP10 brings a new level of
flexibility to our Integrated Wiegand
access control solutions.*

Integrated Wiegand

ASSA ABLOY Wiegand-enabled locks and strikes combine all standard access control components into a single device. This integrated approach significantly reduces installation time and creates a streamlined aesthetic that blends flawlessly into any environment.

Integrated Wiegand products make it easy to incorporate doors and hardware into existing access control systems, because the open architecture platform is compatible with all popular access control systems. ElectroLynx® plug-and-go connectors further reduce installation costs and disruptions at the opening.

Features

- Open architecture platform offers compatibility with all popular access control systems
- Features integrated monitoring
- Significantly reduces installation time
- Streamlined appearance blends beautifully into any environment
- Requires only one cable run from the lock to the access control panel
- Industry standard Wiegand output eliminates need for interface panel
- Proven ANSI/BHMA Grade 1 hardware, offering the highest degree of physical security available in access control locks
- Supports a variety of 125 kHz and 13.56 MHz credentials, keypad and magnetic stripe options. See product catalogs for specific details.
- Mortise locks feature EcoFlex™ technology
  - Reduces energy consumption up to 96%*, as certified by GreenCircle
  - Operates from 12-24VDC
  - Can easily be field configured to fail-safe or fail-secure
  - Available with internal end-of-line resistors for high security monitoring

* Versus standard electrified mortise locks

Power over Ethernet (PoE) Access Control Solutions

ASSA ABLOY PoE Access Control Solutions take advantage of the existing Local Area Network (LAN) for both power and data, eliminating the need for any additional power supply or electrical wiring. Utilizing existing IEEE 802.3af (PoE) infrastructure streamlines the installation process, reduces costs, and enables real-time communication.

ASSA ABLOY Group companies offer multiple IEEE 802.3af (PoE) compliant solutions designed to meet your needs – whether you are securing a single building or an entire campus.

Features

- Utilizes IEEE 802.3af PoE-enabled network infrastructure for both power and data
- Provides same real-time communication as traditional access control
- Contributes to sustainability goals, reducing power consumption up to 86%*, with a peak power consumption of 7 watts per lock
- Reduces the need for panels and traditional power supplies
- Real-time door status monitoring
- Real-time, configurable alarm notification
- Local decision making: 2,400/10,000^ users supported; 10,000 event transaction history
- Proven ANSI/BHMA Grade 1 hardware, offering the highest degree of physical security available in access control locks
- Supports a variety of 125 kHz and 13.56 MHz credentials, keypad and magnetic stripe options. See product catalogs for specific details.

Power over Ethernet solutions use standard network cabling for both power and data, simplifying installation and reducing costs.

PRODUCTS AVAILABLE

- CORBIN RUSSWIN Access 700® PIP1
- CORBIN RUSSWIN Access 800® IP1
- CORBIN RUSSWIN IN220
- SARGENT IN220
- SARGENT Passport 1000 P1
- SARGENT Profile Series v.S1

APPLICATIONS

- Mission critical openings
- Secondary entrance doors
- Classrooms

IP-Enabled Solutions
A different type of network security

ASSA ABLOY IP-enabled access control solutions take advantage of open standard network infrastructure to provide advanced security and easier, more cost-effective installations. Available in a broad range of wired and wireless locks, our IP-enabled solutions ensure reliable communication, advanced management capabilities, and real-time alarm notification.

* Compared to traditional access control installations using an access control panel, electrified lock, wall reader, and request-to-exit sensor

^ Contact your access control system manufacturer for more information.

Online Access Control Components

PRODUCTS AVAILABLE

- Electric Strikes
  - HES
  - ADAMS RITE
- SECURITRON Magnalocks™
  - M380
  - M680
  - M32
  - M62
  - M82
  - MM15
  - iMXDa
- Solenoid Locks
- Gate Locks
- Cabinet Locks
- Entry Devices
- Exit Devices
- Access Control Accessories

POWER PRODUCTS

- Power Supplies
  - SECURITRON BPS
  - SECURITRON EcoPower™
  - SECURITRON AccuPower®
- Solar Power
  - SECURITRON BPSS
- Power Transfers
  - SECURITRON CEPT, SEPT
  - SECURITRON PowerJump™ ICPT
- Electrified Hinges
  - SECURITRON EH
  - McKINNEY eHinges

ASSA ABLOY offers a broad range of access control products that span the Security Continuum and complete the security solutions for a variety of standard, perimeter and auxiliary openings. With electromechanical locking solutions that offer protection from light to heavy duty and specialty applications that extend to perimeter gates and interior cabinets, ASSA ABLOY covers the entire continuum.

- Access control protection up to 4000 lbs holding force
- ANSI/BHMA Grade 1 hardware
- Complements offline or online credential authentication
- Code compliant egress solutions

Powering the Continuum

Sustaining the Security Continuum requires power. ASSA ABLOY offers innovative solutions to deliver this power:

- Energy harvesting and solar devices support green initiatives
- Battery operated technologies enable wireless environments
- Reliable, clean, low-noise power supplies provide support and protection for proper operation of access control devices

The Highly Intelligent Opening

The Highly Intelligent Opening will offer easier maintenance and management, and extend the life of the components.

The highly intelligent opening represents the apex of the Security Continuum. It consists of ASSA ABLOY solutions working in concert to monitor, record and communicate diagnostic and performance data at the opening. The analysis of this data can be used to optimize management of the opening while enabling services such as asset management, predictive performance modeling, maintenance planning, and sustainability monitoring.

THE HIGHLY INTELLIGENT OPENING WILL OFFER BENEFITS SUCH AS:

- Increased security and system performance
- Reduced costs and time for installation services
- Reduced costs and time for maintenance services
- Enhanced customer service levels
- Easier planning and management enabled by access to performance and usage data

Beyond the
Continuum
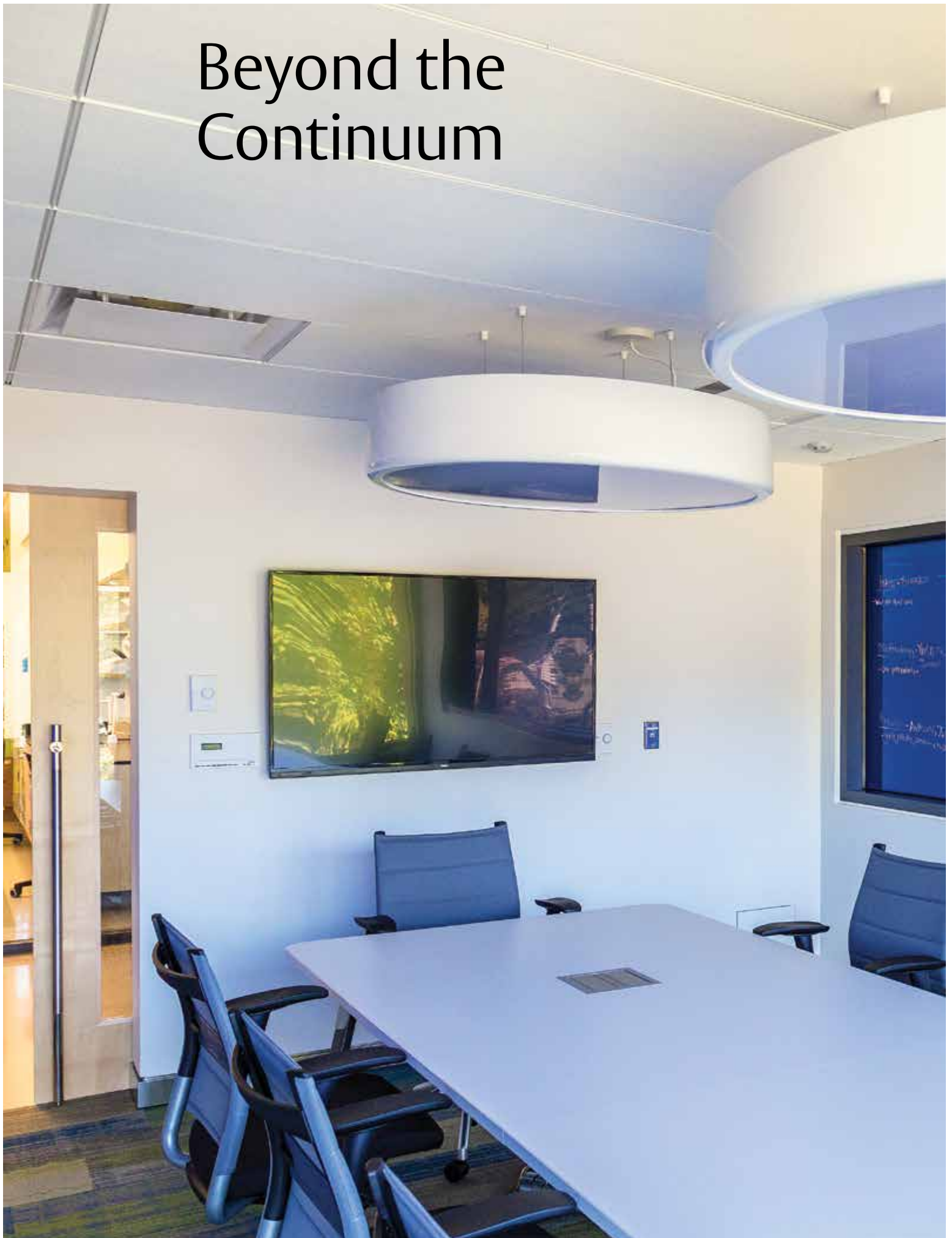
Considerations for a door extend well beyond the locking hardware and security requirements. As the global leader in door opening solutions, ASSA ABLOY offers technology and design innovations that will drive the direction of the door and hardware industry for years to come.

Life Safety

Careful selection of doors and hardware can help facilities protect against extreme conditions and everyday hazards. ASSA ABLOY offers solutions that:

- Facilitate emergency egress with hardware devices that emit audible and visual alerts to guide occupants directly to building exits

- Protect against devastating storms with hurricane and tornado-resistant doorways that are required in many regions

- Address challenging environments with fire-rated, blast and ballistic-rated, climate controlled, and Radio Frequency (RF) shielded openings

Sustainable Building Solutions

Complying with LEED, Living Building Challenge, and other green building certification programs requires products that help meet material and resource thresholds and building energy performance criteria. Learn how our range of solutions can contribute to the following green construction challenges:

- Energy Efficiency
    - Energy efficient door openings and access control solutions

- Sustainably and Ethically Sourced Materials
    - End-of-life recycling program
    - Recycled content
    - Environmental (EPDs) and Health (HPDs) Product Declarations

- Indoor Environmental Quality (IEQ)
    - GREENGUARD™ Gold
    - Enhanced acoustical performance through STC (sound transmission class) rated opening

- Corporate social responsibility

Product Feature: The Power of PoE

Power-over-Ethernet (PoE) access control allows facilities to leverage existing network infrastructure for enhanced security and easier, more cost-effective installations. Bringing the power of the network to access control delivers sustainable access control by improving energy efficiency, reducing infrastructure, and simplifying installations.

The IN220 PoE lock from ASSA ABLOY Group brands Corbin Russwin and Sargent combines superior aesthetics with the energy efficiency and streamlined architecture of PoE access control to:

- Maximize energy efficiency
- Reduce the need for panels and traditional power supplies
- Significantly decrease components and materials
- Reuse a building's structured cabling infrastructure
- Provide online access control at a fraction of the cost

Access Control
for a Mobile World

Secure. Flexible. Convenient.

Smart phones have become the control center of our lives. We manage nearly every aspect of our existence with mobile technology, so why should unlocking doors be an exception?

Count on ASSA ABLOY Group brands for a broad range of access control locks that support HID Mobile Access® powered by Seos®, offering:

- Native support for iOS® and Android™ devices
- Available in wired or wireless locks
- Comprehensive security
- Mobile access for work, home and hotels

The Ultimate in Security and Convenience.

Convenience

- Allows you to unlock doors with your mobile device, whether it is iOS® or Android™

Comprehensive security

- Protects identity data

- Keeps over-the-air communications between mobile device and locks private

Simplicity

- Streamlines credential distribution and revocation

- Intuitive and easy to manage mobile access bundle consists of the HID Secure Identity Services™ Portal, HID Mobile Access® App and Mobile IDs

Interoperability

- Fully interoperable with HID Global iCLASS SE® and multiCLASS SE® cards and readers configured for HID Mobile Access®

- Integration with access control systems is flexible and easy

Powered by Seos®

Seos® is a next generation credential technology that enables the world's first multi-platform ecosystem for issuing, delivering and revoking digital keys and other identity data across a broad range of smart devices, including mobile phones, micro-processor cards and wearables.

ASSA ABLOY Products Available with Mobile Access Support

- CORBIN RUSSWIN Access 700® PIP1 PoE Lock

- CORBIN RUSSWIN IN100 Aperio® Wireless Lock*

- CORBIN RUSSWIN Access 700® PWI1 WiFi Lock

- CORBIN RUSSWIN IN120 WiFi Lock

- CORBIN RUSSWIN IN220 PoE Lock

- CORBIN RUSSWIN SE LP10 Integrated Wiegand Lock

- HES K100 Aperio® Wireless Cabinet Lock*

- HES KS100 Aperio® Wireless Server Cabinet Lock*

- SARGENT IN100 Aperio® Wireless Lock*

- SARGENT IN120 WiFi Lock

- SARGENT IN220 PoE Lock

- SARGENT Passport 1000 P1 PoE Lock

- SARGENT Passport 1000 P2 WiFi Lock

- SARGENT SE LP10 Integrated Wiegand Lock

- SECURITRON R100 Aperio® Wireless Reader*

- YALE Real Living™ Secure Lock™ with Bluetooth

* NFC only

Become a Door Security Solution Expert

Your resource for ASSA ABLOY product related training

www.assaabloyamericasuniversity.com

Certified Integrator
ASSA ABLOY

Authorized Channel Partner
ASSA ABLOY

Most Security Continuum solutions are sold through ASSA ABLOY authorized channel partners and must be installed by certified integrators. Both groups undergo extensive training to ensure our customers receive best-in-class service and support.

Insights Beyond the Product

ASSA ABLOY Americas University will help you expand your knowledge about the many components of a total door opening solution – exploring the innovative technologies and real-world applications – enabling a higher level of technical expertise on your projects.

Classes include broad, multi-day offerings like "Essentials of Door Hardware", and shorter instructor-led or online classes on specific products. We've also compiled suggested learning paths, targeted to job function, to ensure you and your employees get the most out of our programs.

Career Path Management

AAAU also offers career path planning. Whether your employees need training on doors, frames, hardware, electronics or the basics, you can assign specific online courses based on employee needs and review their progress.

AAAU Training Centers

ASSA ABLOY Americas University has four major training centers in the United States – each equipped with full-size door labs so you can get hands-on training in a real environment. In addition, we are happy to bring the training to you! Instruction can be scheduled at your location, and our mobile product installation training classroom is available for a unique hands-on experience.

For more information and a list of classes, visit www.assaabloyamericasuniversity.com.
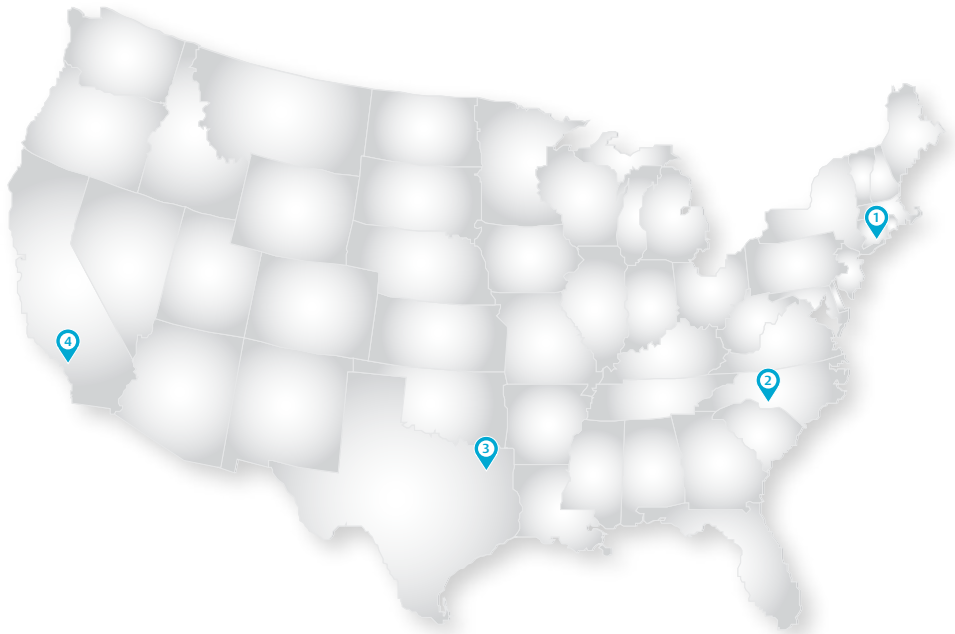
ASSA ABLOY Americas University Training Centers

1. New Haven, CT
2. Monroe, NC
3. Dallas, TX
4. Ontario, CA

Door Security Solutions

ASSA ABLOY Door Security Solutions combines the expertise of the industry's most knowledgeable door opening experts with a comprehensive product offering of leading door and hardware brands to provide complete solutions to partners and end-users in commercial, retail, multi-family, government and institutional facilities.

Consultative Services **+** Comprehensive Products **=** Complete Solutions

Coupling innovative technologies with insight on specifications, design, support, training and code compliance, ASSA ABLOY Door Security Solutions works closely with the architectural, security, facilities and integrator communities to address the many challenges they encounter serving and securing their customers.

Consultative Services

Door Security Solutions offers many services to assist you on your next project. Whether it's new construction or a retrofit application, help is available for all phases of your project, from design to execution:

- Architectural Specifications for Division 8 and 28
- Building Information Modeling (BIM)
- Door and Hardware Schedules
- Site Surveys
- Shop Drawings and Submittals
- Jobsite Inspection

Our market-specific experts will ensure your building meets all applicable national and local codes and standards, including third-party sustainability certifications like LEED.

Comprehensive Products

Door Security Solutions also offers a broad selection of doors and hardware, from the industry-leading ASSA ABLOY Group brands. From the building envelope to interior doors to cabinets and lockers, no opening is too big or too small to be secured. Unique innovations include:

- Specialty doors and frames that improve energy efficiency and protect against attack and severe weather

- Access control locking hardware available to integrate into many manufacturers' access control platforms, in a variety of network technologies like wireless and Integrated Wiegand, with multiple credential options

- Eco-friendly locks, power supplies and other products that reduce energy consumption without increasing the budget

- Electronic cylinders that capture data on intelligent keys for evaluation and analysis

- Decorative hardware that is as strong as it is beautiful, for use on all commercial and institutional openings

ASSA ABLOY is the global
leader in door opening solutions,
dedicated to satisfying
end-user needs for security,
safety and convenience

ASSA ABLOY

ADAMS RITE | CORBIN RUSSWIN | HES | MEDECO
NORTON | SARGENT | SECURITRON | YALE

ASSA ABLOY Americas
110 Sargent Drive
New Haven, CT 06511
www.intelligentopenings.com

Door Security Solutions Canada
160 Four Valley Drive
Vaughan, ON L4K 4T9
www.assaabloy.ca

Effective 5/2017
2500-2192